

U. S. NUCLEAR REGULATORY COMMISSION
OFFICE OF INSPECTION AND ENFORCEMENT

REGION III

Report No. 50-295/79-09; 50-304/79-10

Docket No. 50-295; 50-304

License No. DPR-39; DPR-48

Licensee: Commonwealth Edison Company
P. O. Box 767
Chicago, IL 60690

Facility Name: Zion Nuclear Power Station, Units 1 and 2

Inspection At: Zion Site, Zion, IL

Inspection Conducted: June 1, 1979

Inspectors:

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6/13/79

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Inspection Summary

Inspection on June 1, 1979 (Report No. 50-295/79-09; 50-304/79-10)

Areas Inspected: Routine, announced inspection of emergency planning activities for Units 1 and 2, including: observation of an annual emergency medical drill at the plant and the Victory Memorial Hospital and a critique of the drill. The inspection involved 20 inspector-hours on site by four NRC inspectors.

Results: No apparent items of noncompliance or deviations were identified.

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DETAILS

1. Persons Contacted

Licensee Employees

- *V. Chaney, GSEP Coordinator, CECO
- *N. Wandke, Station Superintendent, Zion Station
- S. Miller, Rad/Chem Supervisor, Zion Station
- *F. Rescek, Lead Health Physicist, Zion Station
- *G. Tryzina, Health Physics Engineer, Zion Station
- *F. Ost, Health Physics Technician, Zion Station

The inspectors also interviewed other licensee employees during the course of the inspection including health physics technicians, members of the security force, and general office personnel.

Other Personnel

- *R. Linnemann, M.D., President, Radiation Management Corporation (RMC)
- *F. Bronson, Vice President, RMC
- *F. Magliery, Associate Administrator, Director of General Services Division, Victory Memorial Hospital (VMH)
- *S. Davis, R.N., Acting Supervisor, Emergency Room, VMH
- S. Salyards, Reporter, Waukegan Newspaper
- L. Libunao, M.D., Attending Physician, VMH
- T. Poulsen, Zion Rescue Squad
- G. Fredrich, Zion Rescue Squad

*Denotes those present at the critique considered to be the exit interview.

2. Licensee Action on Previous Inspection Findings

(Closed) Unresolved Item (50-295/79-03, 79-07; 50-304/79-03, 79-08): Poor condition of the decontamination/treatment room at the Victory Memorial Hospital. A visit by the inspector to the hospital on June 1, 1979, indicated that the decontamination/treatment room had been placed in good order and was ready for the medical drill. All foot lockers and plastic bags of medical supplies had been removed. The inspector has no further questions regarding this item.

3. General

This inspection consisted of observation of the licensee's annual emergency medical drill followed by a critique. The drill was conducted under the direction of the licensee's medical contractor, Radiation Management Corporation, and included personnel from the Zion Rescue Squad and Victory Memorial Hospital. 327
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4. Control Room Actions

The initial notification was received by the Shift Foreman, who attempted to determine the extent of the injuries and/or contamination. However, the caller broke contact before this could be determined. The Shift Foreman notified the control room, dispatched operators to the scene, activated the GSEP, and sounded the station fire alarm. Radio contact was maintained between the Foreman's office and the accident scene. The inspectors questioned the use of the fire alarm to organize personnel; the licensee stated that the use of the fire alarm would be reviewed. This item will be reviewed in a subsequent inspection.

The Shift Foreman also called the Zion Rescue Squad, alerted the gate house, notified the Victory Memorial Hospital of the injuries, and called the System Load Dispatcher. Communications were adequate.

5. Accident Scene

Two plant personnel received simulated injuries while transferring radioactive resin. During the transfer, a hose ruptured causing the simulated injuries and radioactive contamination. One person was transferred to the plant decontamination room and the other was transported by a local ambulance service to the offsite hospital for simulated treatment. Licensee response was timely and after a brief early absence of a "take charge" individual at the scene, proceeded in a coordinated and orderly fashion. Communication and coordination with the ambulance personnel were excellent.

No items of noncompliance or deviations were identified.

6. Hospital Activities

The emergency room at the hospital was notified by the Shift Foreman about two injured victims; no information was provided until a second call was made which stated that the victims were contaminated. During preparation for the arrival of the ambulance, the hospital personnel were a bit confused at first in laying down a plastic cover on the floor of the ambulance bay. However, this was completed before the ambulance arrived. When the victim was taken from the ambulance, he was not covered with a blanket to contain simulated contamination and provide warmth. The ambulance was in radio contact with the hospital during the trip from the plant. This was necessary to alert the hospital personnel of the condition of the injured victim. The hospital staff worked well with the patient and required very little instruction from RMC. Additional nursing assistance in treating the patient would have been helpful. The doctor could have used a table on which to place contaminated scissors and other tools. An additional container to hold contaminated rinse water was also required. Ambulance and hospital personnel

showed a high degree of readiness to cope with potential incidents of this type. Generally speaking, the drill went well.

No items of noncompliance or deviations were identified.

7. Exit Interview

The inspector met with licensee representatives (denoted in Paragraph 1) at the conclusion of the inspection on June 1, 1979. The inspector summarized the scope and findings of the inspection.

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